

CLAIMS

1. A thermoplastic synthetic resin band made by forming, on a front and a back side of a thermoplastic synthetic resin base material, a plurality of parallel convex stripes of a constant width, which cross each other obliquely, and a plurality of rhombus-shaped concave portions, which are partitioned with a constant surface area by the parallel convex stripes;

wherein an intersection angle in longitudinal direction of the convex stripes is 15 to 30°.

2. The thermoplastic synthetic resin band according to claim 1, whose width is 12 to 19 mm and whose center portion thickness is 20 to 30% with respect to its apparent thickness.

3. The thermoplastic synthetic resin band according to claim 1, whose width is 5 to 9 mm and whose center portion thickness is 20 to 32% with respect to its apparent thickness.

4. A method for manufacturing a thermoplastic synthetic resin band comprising:

passing a thermoplastic synthetic resin base material between a pair of embossing rolls, on whose outer surface parallel concave grooves of a constant width, which cross each other obliquely, and a plurality of rhombus-shaped convex portions, which are partitioned with a constant surface area by the parallel concave grooves, are formed; and

forming, on a front and a back side of the thermoplastic synthetic resin base material, a plurality of parallel convex stripes of a constant width, which cross each other obliquely, and a plurality of rhombus-shaped concave portions, which are partitioned with a constant surface area by the parallel convex stripes;

wherein embossing rolls are used, in which only an intersection angle in circumferential direction of the concave grooves is set to 15 to 30°, without changing the width of the concave grooves or the surface area of rhombus-shaped convex portions, which are partitioned by the concave
5 grooves.

5. The method for manufacturing a thermoplastic synthetic resin band according to claim 4, wherein a thermoplastic synthetic resin band with a width of 12 to 19 mm is manufactured using a thermoplastic synthetic resin
10 base material whose unit weight is reduced such that its center portion thickness becomes 20 to 30% with respect to its apparent thickness.

6. The method for manufacturing thermoplastic synthetic resin bands according to claim 4, wherein a thermoplastic synthetic resin band with a
15 width of 5 to 9 mm is manufactured using a thermoplastic synthetic resin base material whose unit weight is reduced such that its center portion thickness becomes 20 to 32% with respect to the apparent thickness.